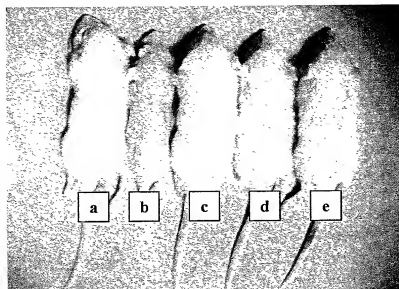


FIGURE 1



- a untreated control
- b Ara-c control
- c SEQ ID NO: 2
- d SEQ ID NO: 3
- e SEQ ID NO: 22

10032330.123104

FIGURE 2



*Ara-c control*

*Ara-c* +SEQ ID NO: 10

*0.1mg*

*0.5mg*

*2.5mg*

10032330.123101

FIGURE 3A

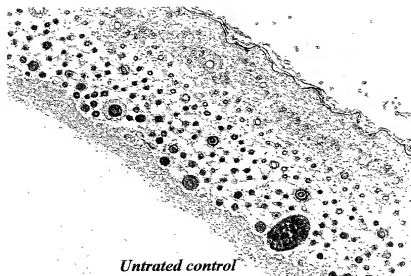


FIGURE 3B

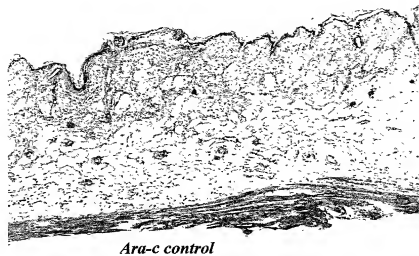
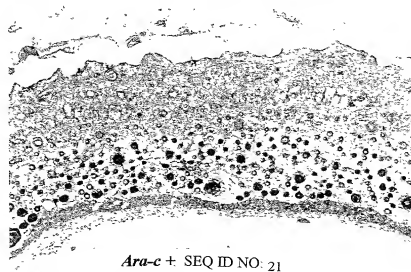
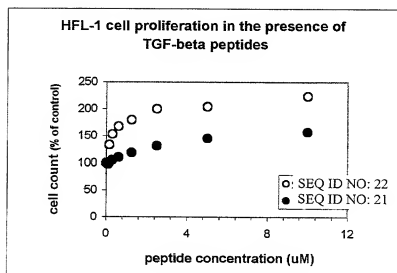


FIGURE 3C



10032330.122101

FIGURE 4



10032230.123401

FIGURE 5A

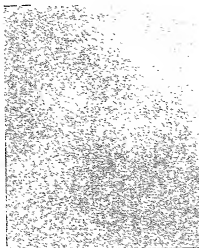


FIGURE 5B

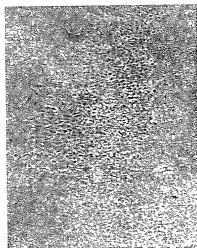


FIGURE 5C



FIGURE 5D



10032330-122401

FIGURE 6A

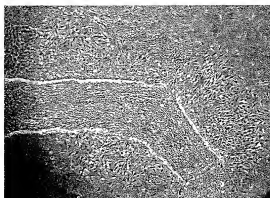


FIGURE 6B

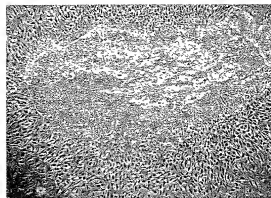


FIGURE 6C

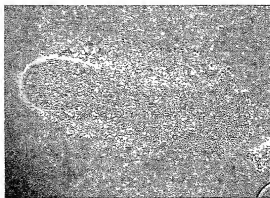
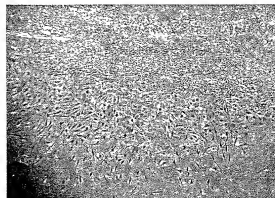


FIGURE 6D



10032300-123101

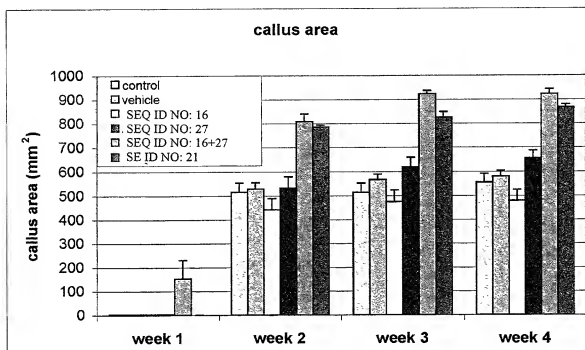


FIGURE 8

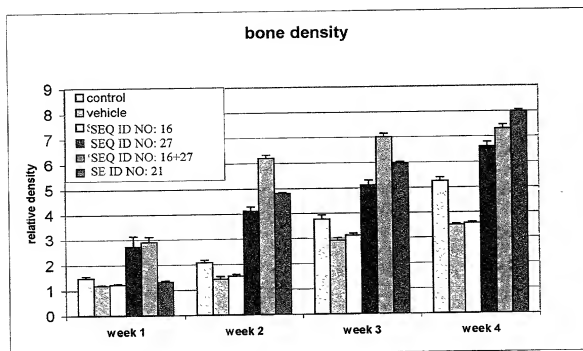
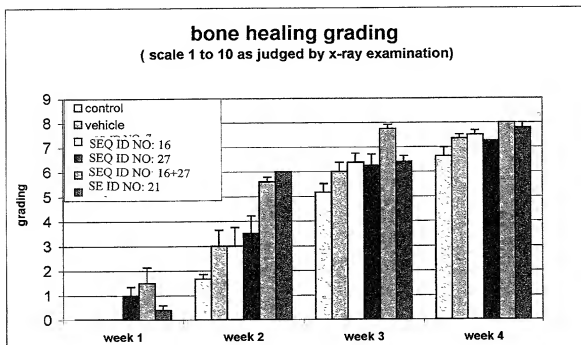




FIGURE 9

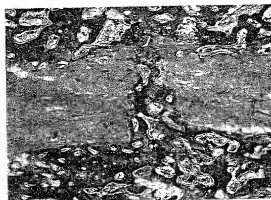


10032370-1-20101

FIGURE 10A



FIGURE 10B



10032230.122101

FIGURE 11A



FIGURE 11B



10032330.123101

Fig 12

## HJ-loop

```

TBR1      EIARRCSIGGI---HEDYQLPYYDLVPSDPSVEE
ACTR2     ELVSRCKAADG--PVDEYMLPFEEEIGQHPSEEE
BMR2      EIFMRCTDLFPGESVPEYQMAFQTEVGNHPTFED
TBR2      EMTSRCNAVGE---VKDYEPPFGSKVREHPCVES
ALK4      EIARRCNSGGV---HEEYQLPYYDLVPSDPSIEE
ALK3      EMARRCITGGI---VEEYQLPYYNMVPSDPSYED
ALK1      EIARRTIVNGI---VEDYRPPFYDVVPNDPSFED
          *: *                :* .: :..* *.

```

## Alpha-D region

CLUSTAL X (1.81) multiple sequence alignment

```

TBR1      ----SDYHEHGS�FDYLNRYTVTVE
ACTR2     ----TAFHDKGSLTDYLGKNIITWNE
BMR2      ----MEYYPNGSLCKYLSLHSDWV
TBR2      TAFHAKGNLQEYLTRHVISWE
ALK4      ----SDYHEHGS�FDYLNRYTVTIE
ALK3      ----TDYHENGSLYDFLKCATLDTR
ALK1      ----THYHEHGS�YDFLQRTLEPH
          :: :*. * .: *

```

## B4-B5 region

```

TBR1      ADNKDNG-TWTQLWLVSĐ
ACTR2     AEKRGSS-LEAELWLITA
BMR2      GDERVTADGRMEYLLVME
TBR2      AEERKTE-LGKQYWLITA
ALK4      ADNKDNG-TWTQLWLVSĐ
ALK3      ADIKGTG-SWTQLYLTID
ALK1      SDMTSRN-SSTQLWLITH
          .:          : *

```

## A-region

```

TBR1      ----QTVMLRHENILGFIA
ACTR2     ----STPGMKHENLLQFIA
BMR2      ----RVPLMEHDNIARFIV
TBR2      SDINLKHENILQFLT
ALK4      ----QTVMLRHENILGFIA
ALK3      ----QTVLMRHENILGFIA
ALK1      ----NTVLLRHDNILGFIA
          :. :*. * :

```